

LIST OF SOME RECENT SHELLS FOUND IN LAYERS  
OF CLAY ON THE MACLAY-COAST, NEW GUINEA.

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About two months ago Baron Maclay brought me a small box of shells for determination, which he had obtained on the North-east Coast of New Guinea in the year 1877. The whole of the species seem to have been thrown from the bed of the Ocean by some volcanic or submarine agency. Having gone carefully through them, I find that they are species common to the Philippine Islands, China Sea and Torres Straits. Some of them are very much sea worn and past identification, others again are represented only by a single example and odd valves. A list of them is here given :—

## 1. RANELLA ALBIVARICOSA.

*Murex rana*, Linn. Syst. Nat., p. 1216, No. 527.

*Ranella albivaricosa*, Reeve. Proc. Zool. Soc., 1844, p. 136. Conch. Icon., pl. 1, fig. 2. *Bursa rana*, H. and A. Adams. Genera of Recent Mollusca, 1853. Vol. 3, pl. 11, fig. 3, 3a.

## 2. NASSA LIQUIJARENsis.

*Nassa Liquijarensis*, A. Adams. Proc. Zool. Soc., 1851, p. 97. Reeve, Conch. Icon., pl. 8, fig. 53.

## 3. NASSA. Sp?

Only a single specimen of this species very much sea worn.

## 4. MITRA. Sp?

Only a whorl and a half remain of this species.

## 5. OLIVA NEOSTINA.

*Oliva neostina*, Duclos. Olives, pl. 19, figs. 9, 10.  
One specimen of this species in good condition.

## 6. OLIVA SIDELIA.

*Oliva sidelia*, Duclos. Olives, pl. 19, figs. 1, 2.  
One specimen in good condition.

## 7. OLIVA. Sp?

All that remains of this species is about an inch of the columella.

## 8. OLIVA LEPIDA.

*Oliva lepida*, Duclos. Olives, pl. 25, figs. 15-20.

## 9. OLIVA ISPIDULA.

*Voluta ispidula*, Linn. Syst. Nat., p. 1188, No. 400.

*Oliva ispidula*, Sowerby. Thes. Conch. Oliva, pl. 16, fig. 250.

## 10. OLIVA. Sp.

Only one specimen (not adult) resembles in markings *Oliva pintamella*, Duclos.

## 11. OLIVA. Sp.

Piece of spine showing three whorls.

## 12. TEREBRA STRAMINEA.

*Terebra straminea*, Gray. Sowerby Thes. Conch., Vol. 1, p. 169, pl. 42, figs. 22, 23.

## 13. CONUS (DENDROCONUS) GLAUCUS.

*Conus glaucus*, Linn. Gmelin., p. 3382, No. 15. Sowerby Thes. Conch., pl. 11, fig. 237.

## 14. STROMBUS CANARIUM.

*Strombus canarium*, Linn. Gmel., p. 3517, No. 24. Sowerby, Thes. Conch., Vol. 1, p. 33, pl. 8, fig. 69, 70.

*Gallinula canarium*, Brazier. Proc. Linn. Soc., N.S.W., Vol. 1, p. 292.

## 15. BULLA AMPULLA.

*Bulla ampulla*, Linn. Gmelin, p. 3424, No. 10. Sowerby, Thes. Conch., p. 575, pl. 122, fig. 59. *Bulla trifasciata*, Sowerby in Reeve. Conch. Icon., pl. 1, fig. 1. Brazier, Proc. Linn. Soc., N.S.W., Vol. 2, p. 83, No. 33.

This species is only represented by the dorsal surface showing two transverse bands. Mr. Sowerby figures it in the Thes. Conch. figure 59, as *Bulla ampulla*, Linn., but in Reeve's Conch. Icon., he re-describes it as *Bulla trifasciata*. I believe it to be only a variety of *ampulla*.

## 16. ATYS CYLINDRICA.

*Bulla cylindrica*, Helblings. Chem, fig. 1356, 1357.

*Bulla cylindrica* (Atys), A. Adams in Sowerby, Thes. Conch., pl. 125, fig. 114.

## 17. ATYS CYLINDRICA VARIETY ELONGATA.

*Bulla elongata*, (Atys), A. Adams in Sowerby, Thes. Conch., pl. 125, fig. 121.

## 18. ATYS. Sp?

This species (a single specimen) may be a small variety of *Atys cylindrica*.

## 19. DENTALIUM LONGITRORSUM.

*Dentalium longitrorsum*, Reeve. Proc. Zool. Soc., 1842, p. 197 ; Sowerby, Thes. Conch., Vol. 3, pl. 223, fig. 59, 60.

## 20. CULTELLUS. Sp?

Represented by a sea worn valve.

## 21. CORBULA CRASSA.

*Corbula crassa*, Hinds. Proc. Zool. Soc., 1843, p. 55.

Represented by two odd valves.

## 22. CORBULA ALBUGINOSA.

*Corbula albuginosa*, Hinds. Proc. Zool. Soc., 1843, p. 56.

Right valve.

## 23. MACTRA. Sp?

Represented by one sea worn valve.

## 24. TELLINA (TELLINELLA) McANDREWII.

*Tellina McAndrewi*, Sowerby in Reeve Conch. Icon., pl. 23, fig. 122.

The eight valves, right and left, answer in every respect to the description given in the Conch. Icon.; it is quite clear that Mr. Sowerby's locality Madeira must be wrong.

## 25. TELLINA (ARCOPAGIA) PINGUIS.

*Tellina pinguis*, Hanley. Proc. Zool. Soc., 1844, p. 63; Sowerby Thes. Conch., p. 252, pl. 56, fig. 34.

## 26. TELLINA (PHYLLODA) FOLIACEA.

*Tellina foliacea*, Linn. Syst., p. 1117, No. 51; Hanley in Sowerby Thes. Conch., Vol. 1, p. 274, pl. 65, fig. 253; Reeve Conch. Icon., pl. 3, fig. 11.

## 27. TELLINA (ANGULUS). Sp?

Only two odd valves of this species.

## 28. TELLINA (TELLINIDES) CONSPICUA.

*Tellina conspicua*, Hanley. Sowerby Thes. Conch., p. 293, pl. 58, fig. 100.

## 29. TELLINA (TELLINIDES.) Sp?

A single valve of a pinkish tinge near to *T. coccinea*, Ch.

## 30. TELLINA (PERONEA) SCALPELLUM.

*Tellina scalpellum*, Hanley. Proc. Zool. Soc., 1844, p. 147; Sowerby, Thes. Conch., p. 310, pl. 59, fig. 116.

## 31. TELLINA (STRIGELLA.) Sp?

A single minute valve, sculptured very much like *Tellina splendida* and *pisiformis*.

## 32. TELLINA (METIS) SPECTABILIS.

*Tellina spectabilis*, Hanley. Proc. Zool. Soc., 1844, p. 141; Sowerby, Thes. Conch., p. 323, pl. 65, fig. 254.

## 33. VENUS (CHIONE) CALOPHYLLA.

*Venus calophylla*, Philippi in Wiegmanns Archiv. fur Naturgeschichte, 1836, Vol. 1, p. 229, pl. 8, fig. 2; Hanley, Desc. Cat. App., p. 361, pl. 16, fig. 26; Sowerby, Thes. Conch., p. 724, No. 64, pl. 160, fig. 176; *Venus tiara*, Reeve. Conch. Syst., Vol. 1, pl. 67, fig. 3. (Non Dillmyn); *Venus calophylla*, Hanley. Reeve Conch. Icon., pl. 23, fig. 114.

## 34. VENUS (CHIONE) IMBRICATA.

*Venus imbricata*, Sowerby. Thes. Conch., p. 715, pl. 156, fig. 81, 82; Reeve, Conch. Icon., pl. 24, fig. 118.

## 35. DIONE BULLATA.

*Cytherea bullata*, Sowerby. Thes. Conch., p. 640, pl. 136, f. 192.

## 36. DOSINIA CANALICULATA.

*Artemis canaliculata*, Sowerby. Thes. Conch., p. 668, pl. 143, f. 58.

## 37. LEDA PULLATA.

*Nucula pullata*, Hinds. Proc. Zool. Soc., 1843, p. 100.

*Leda pullata*, Sowerby. Thes. Conch., p. 127, pl. 3, fig. 94; Reeve, Conch. Icon., pl. 11, fig. 34.

## 38. ARCA. Sp?

One sea worn valve.